

QUELLENDATEI AULICH/MSDSE
TEILDATEI M\$SE001TRG

| SEQNBR*...+... 1 ...+... 2 ...+... 3 ...+... 4 ...+... 5 ...+... 6 ...+... 7 ...+... 8 ...+... 9 ...+... 0 | | |
|--|--|----------|
| 1 | *=====* | 22.12.08 |
| 2 | * This program is intended to illustrate a BEFORE INSERT | 02.01.09 |
| 3 | * trigger specified with ALWREPCHG(*YES) where the | 22.12.08 |
| 101 | * trigger will update the buffer image of the record | 22.12.08 |
| 102 | * prior to the update. | 22.12.08 |
| 103 | * | 22.12.08 |
| 104 | * The capability to update the before trigger image | 22.12.08 |
| 105 | * is only supported on V3R2 and V3R7. | 22.12.08 |
| 106 | * * .0 as of: 22.12.08 | 22.12.08 |
| 107 | * | 22.12.08 |
| 108 | * CRTBNDRPG PGM(MYLIB/M\$SE001TRG) SRCFILE(MYSRC/RPG) | 02.01.09 |
| 109 | * DFTACTGRP(*NO) ACTGRP(*CALLER) | 22.12.08 |
| 110 | * DBGVIEW(*SOURCE) ALWNULL(*YES) | 22.12.08 |
| 111 | * USRPRF(*OWNER) | 22.12.08 |
| 112 | * | 22.12.08 |
| 113 | * ADPPFTRG FILE(MYLIB/M\$SE001PA) | 02.01.09 |
| 114 | * TRGTIME(*BEFORE) TRGEVENT(*INSERT) | 02.01.09 |
| 2000 | * PGM(MYLIB/M\$SE001TRG) ALWREPCHG(*YES) | 02.01.09 |
| 2100 | * | 22.12.08 |
| 2200 | *=====* | 22.12.08 |
| 2300 | * Definition of the structure passed as the first | 22.12.08 |
| 2400 | * parameter from database to the trigger program. | 22.12.08 |
| 2500 | * The include is used so that any additional fields | 22.12.08 |
| 2600 | * in the interface template in the future will be | 22.12.08 |
| 2700 | * brought into the program if it is recompiled. | 22.12.08 |
| 2800 | * | 22.12.08 |
| 2900 | * The includes in the QSYSINC library must be on | 22.12.08 |
| 3000 | * your system to compile this program. Option 13 of | 22.12.08 |
| 3100 | * the OS/400 install will install them. | 22.12.08 |
| 3200 | * | 22.12.08 |
| 3300 | *=====* | 22.12.08 |
| 3400 | D/COPY QSYSINC/QRPGLESRC, TRGBUF | 22.12.08 |
| 3500 | * | 22.12.08 |
| 3600 | *=====* | 22.12.08 |
| 3700 | * This is an overlay used to set addressability | 22.12.08 |
| 3800 | * to the various sections of the interface buffer | 22.12.08 |
| 3900 | * such as the before and after record images. | 22.12.08 |
| 4000 | *=====* | 22.12.08 |
| 4100 | D INTARR S 1A BASED(INTPTR) DIM(32767) | 22.12.08 |
| 4200 | D INTPTR S * | 22.12.08 |
| 4300 | * | 22.12.08 |
| 4400 | *=====* | 22.12.08 |
| 4500 | * Definition of the trigger buffer length passed as | 22.12.08 |
| 4600 | * the second parameter from database to the trigger | 22.12.08 |
| 4700 | * program. | 22.12.08 |
| 4800 | *=====* | 22.12.08 |
| 4900 | D PARM2 DS | 22.12.08 |
| 5000 | D LENG 1 4B 0 | 22.12.08 |
| 5100 | * | 22.12.08 |
| 5200 | *=====* | 22.12.08 |
| 5300 | * These pointers are used to point to the before | 22.12.08 |
| 5400 | * and after images. The before and after images | 22.12.08 |
| 5500 | * are passed in the first parameter structure. | 22.12.08 |
| 5600 | *=====* | 22.12.08 |
| 5700 | D BIMAGE S * | 22.12.08 |
| 5800 | D AIMAGE S * | 22.12.08 |
| 5900 | * | 22.12.08 |
| 6000 | *=====* | 22.12.08 |
| 6100 | * These based structures provide the subfields of | 22.12.08 |

QUELLENDATEI AULICH/MSDSE
TEILDATEI M\$SE001TRG

```

SEQNBR*...+... 1 ...+... 2 ...+... 3 ...+... 4 ...+... 5 ...+... 6 ...+... 7 ...+... 8 ...+... 9 ...+... 0
6200 * the record images. Externally defined data * 22.12.08
6300 * structures are used so a recompile of the * 22.12.08
6400 * program will always pick up the latest field * 22.12.08
6500 * definitions. * 22.12.08
6600 *=====* 22.12.08
6700 D BRec E DS EXTNAME(M$SE001PA) 22.12.08
6800 D BASED(BIMAGE) 22.12.08
6900 D PREFIX(B) 22.12.08
7000 D ARec E DS EXTNAME(M$SE001PA) 22.12.08
7100 D BASED(AIMAGE) 22.12.08
7200 D PREFIX(A) 22.12.08
7201 *=====* 22.12.08
7202 D M$SE001DTA s 15 0 DTAARA 22.12.08
7203 D Cmd S 2048 22.12.08
7204 D CmdLen S 15 5 22.12.08
7205 D Inz( %Size( Cmd ) ) 22.12.08
7206 D ProgSts SDS 22.12.08
7207 D PSDS_ObjLib 81 90 22.12.08
7208 D PSDS_Jobname 244 253 22.12.08
7209 D PSDS_Username 254 263 22.12.08
7210 D PSDS_JobNo 264 269 0 22.12.08
7300 * 22.12.08
7400 C *ENTRY PLIST 22.12.08
7500 C QDBTB PARM QDBTB 22.12.08
7600 C PARM2 PARM PARM2 22.12.08
7601 *=====* 22.12.08
7602 C Eval Cmd = 'ADDLIBLE LIB(' + 22.12.08
7603 C %trim(PSDS_ObjLib) + 22.12.08
7604 C ') POSITION(*LAST)' 22.12.08
7605 C Call (e) 'QCMDEXC' 22.12.08
7606 C Parm Cmd 22.12.08
7607 C Parm CmdLen 22.12.08
7700 *=====* 22.12.08
7800 * Set the basing pointers for the interface * 22.12.08
7900 * structure and the before and after images * 22.12.08
8000 *=====* 22.12.08
8100 C EVAL INTPTR = %ADDR(QDBTB) 22.12.08
8200 C EVAL BIMAGE = %ADDR(INTARR(QDBORO+1)) 22.12.08
8300 C EVAL AIMAGE = %ADDR(INTARR(QDBNRO+1)) 22.12.08
8400 * 22.12.08
8500 *=====* 22.12.08
8600 * Change the value of ID so it is used instead of * 22.12.08
8700 * the value specified by the application program. * 22.12.08
8800 *=====* 22.12.08
8801 C *Lock In *DtaAra 22.12.08
9000 C EVAL AID = M$SE001DTA 22.12.08
9001 C Eval M$SE001DTA = 22.12.08
9002 C M$SE001DTA + 1 22.12.08
9003 C Out *DtaAra 22.12.08
9200 * 22.12.08
9300 C RETURN 22.12.08

```

* * * E N D E D E R Q U E L L E * * *